

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/30/02
Date Received: 05/23/02
Project: Saw Coolant, PO# M88235
Date Extracted: 05/24/02
Date Analyzed: 05/28/02

**RESULTS FROM THE ANALYSIS OF THE PRODUCT SAMPLE
FOR TOTAL METALS
BY INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as $\mu\text{g/g}$ (ppm)

Sample ID
Laboratory ID

Total Lead

M88235
205184-01

2.7

Method Blank

<2.0

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

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Project: Saw Coolant, PO# M88235

**QUALITY ASSURANCE RESULTS
FROM TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Laboratory Code: 205184-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Lead	µg/g (ppm)	2.7	2.1	25 a	0-20

Laboratory Code: 205184-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Lead	µg/g (ppm)	20	2.7	92	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Lead	µg/g (ppm)	20	101	102	80-120	1

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 30, 2002

DUPLICATE COPY

INVOICE #02ACU0530-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Saw Coolant, PO# M88235 - Results of testing requested by Gerry Thompson for material submitted on May 23, 2002.

1 sample analyzed for Total Lead on 48 hour TAT
by Method 6010B @ \$35 per sample

\$ 35.00

Amount Due

\$ 35.00

FEDERAL TAX ID # (b) (6)

205184

SAMPLE CHAIN OF CUSTODY

ME 5.23.02 AJ

Send Report To GERARD Thompson
 Company Alaskan Copper Works
 Address 628 S. Hanford
 City, State, ZIP Seattle WA 98134
 Phone # 206-382-8379 Fax # 206-382-4309

SAMPLERS (Signature) <u>[Signature]</u>	
PROJECT NAME/NO. <u>M88235 San Carhart</u>	PO # <u>M88235</u>
REMARKS	

Page # _____ of _____
TURNAROUND TIME <input type="checkbox"/> Standard (2 Weeks) <input checked="" type="checkbox"/> RUSH <u>2 days</u> Rush charges authorized by: _____
SAMPLE DISPOSAL <input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M88235	01	5/23/02	11:00	Coal	1							23	LEAD			

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	GERARD Thompson	Aew	5/23/02	1:20 pm
Received by: <u>[Signature]</u>	S. Oboorn	F+B, Inc		
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

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May 30, 2002

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

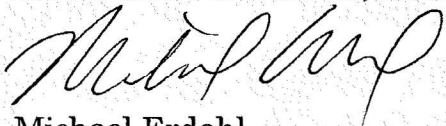
Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 23, 2002 from your Saw Coolant, PO# M88235 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0530R.DOC